and means responsive to said position signal to establish the exact geographic location of the mobile unit comprising:

geographic location data stored in the communications system MTSO;

means in the communications system MTSO for matching the exact geographic location of the mobile unit to said location data stored in the communications system MTSO;

means in the communications system MTSO for making call management decisions based on the matching of the exact geographic location of the mobile unit to the location data, said call management decisions being selected from the group consisting of billing rates, taxes, CP (communications process) rating, customer service requested, call routing, and CMR system selection and automatically setting one or more parameters selected from the group consisting of billing rates, taxes, CP rating, call routing and CMR system selection associated with the mobile unit based on the management decisions made in the MTSO and completing and maintaining the call based solely on said management decisions made in the MTSO regardless of the location of a cell site handling the call and without input from a user of the mobile unit.--

[Please add the following Claim 67.]

35.
~~67.~~ The wireless over-the-air communications system defined in Claim 28 ~~66~~ in which said call management decision made by the means in the communications system are made exclusive of signal strength and hand-offs are made regardless of signal

strength.--

Please cancel without prejudice Claims 2, 3, 5, 6, 7, 8, 15-23, 24, 25, 32, 34, 39, 40, 41, 43, 45, 46, 47, 48, 54, 55, 56 and 65.

Please re-write Claim 21 as new Claim 68 as follows.

--68. A method of communicating using a wireless over-the-air communications system comprising:

A) establishing an exact geographic location for a mobile unit making a call;

B) communicating the geographic location to a call management control center in the communications system;

C) storing geographic location data in the control center;

D) matching the exact geographic location of the mobile unit to the geographic location data;

E) making call management decisions for the mobile unit based on the matching of the exact geographic location of the mobile unit to the geographic data, said call management decisions being selected from the group consisting of billing rates, taxes, CP (communications process) rating, call routing, customer service requested and CMR system selection used for the call being made by the mobile unit; and

D) automatically selecting one or more parameters selected from the group consisting of billing rates, taxes, call routing, CMR system selection and CP (communications process) rating associated with the call being made by the mobile unit based on said call management decisions to complete or maintain the call

based solely on the call management decisions made in the MTSO regardless of the location of a cell site handling the call and without input from a user of the mobile unit.

[Please add the following Claims 69 and 70.]

~~69~~ 36. The wireless over-the-air communications system defined in Claim ~~66~~ 28 wherein said service provider includes a second wireless communications system.

~~70~~ 39. The wireless over-the-air communications system defined in Claim ~~66~~ 28 wherein said service provider includes an emergency service provider.

Please amend the following claims.

29. ~~4~~ (Amended). The [improvement] wireless over-the-air communications system defined in Claim [3] ~~66~~ 28 wherein the means for making call management decisions [providing billing information according to where service is provided] includes means for updating billing information as the mobile unit moves during a communication process.

1. ~~9~~ (Amended). A wireless over-the-air communications system that includes a plurality of CMR (cellular mobile radio) systems, one or more cell sites shared by the CMR systems, an MTSO in at least one of said plurality of CMR systems, locating means in the cellular communications system for determining the exact geographic location of a mobile unit involved in a call and for providing a position signal of said exact geographic location, means in the MTSO for recognizing the position signal and using that position signal to establish the exact geographic location



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of the mobile unit involved in the call, and data means in the MTSO responsive to the locating means for directing a communication process to a specific [cell site] CMR system based on the exact geographic location of the mobile unit regardless of a location of a cell site handling the call, said data means including tables containing positional data for service boundaries associated with each CMR system and means for comparing the exact geographic location of said mobile unit to the tables and automatically selecting a specific [cell site] CMR system to handle the communication process and bill said mobile unit for services provided by said specific CMR system based on said exact geographic location of the mobile unit regardless of which cell site handled the communications process and without further input from a user of the mobile unit.

3. ~~14~~ (Amended). The wireless over-the-air communications system defined in Claim ~~9~~ wherein said data means includes means for redirecting a communication process to a second [cell site] service provider.

30. ~~14~~ (Amended). The wireless over-the-air communications system defined in Claim [1] ~~66~~ wherein [said data means] the MTSO further includes means for changing the [cell site] service provider during the communication process.

9. ~~26~~ (Amended). A method of making communication process management decisions in a wireless over-the-air communications system having a plurality of [cell sites at various locations] service providers and an MTSO comprising:

A) establishing an exact geographic location for a mobile unit;

B) establishing override criteria from a group consisting of billing, taxing, CP (communications process) rating, service requested by a user of a mobile unit and CMR (cellular mobile radio) system [which directs communication processes away from a specific cell site]; and

C) directing the communication process to [the] a specific [cell site] service provider associated with the service requested by the user of the mobile unit[, and then re-directing the communication process away from that specific cell site] based on the override criteria without further input from the user of the mobile unit.

14. ~~27~~ (Amended). A method of making communication process management decisions in two wireless over-the-air communications systems [each of which has a plurality of cell sites at geographic locations and an MTSO] comprising:

A) establishing an exact geographic location for a mobile unit;

B) matching the geographic location of the mobile unit to [a] service boundary information for each communications system, and selecting [a cell site] one of the communications systems based on such matching;

C) using the selected [cell site] communication system to handle communication processes associated with the mobile unit;

D) using the geographic location of the mobile unit for billing;

E) directing the billing to the [appropriate] selected wireless



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over-the-air communications system [authorized to handle communication processes in the particular geographic location of the mobile unit]; and

F) continuously updating the geographic location of the mobile unit during the communication process whereby each of the [cellular] communications systems will bill for any portion of the communication process carried out in its territory regardless of where the communication process originated.

17~~28~~ (Amended). A method of making communication process management decisions in two wireless over-the-air communications systems service providers each of which has a plurality of cell sites at various locations and a service boundary, [an MTSO] comprising:

A) locating at least one cell site from one of the wireless over-the-air communications systems service providers in the geographic area of the service boundary of the other wireless over-the-air communications system service provider;

B) establishing an exact geographic location for a mobile unit involved in a call;

C) matching the geographic location of the mobile unit to service boundary information, and selecting a cell site based on such matching regardless of the ownership of the selected cell site;

D) using the selected cell site to handle communication processes associated with the mobile unit;

E) using the geographic location of the mobile unit for

billing;

F) directing the billing of the call to the [appropriate] wireless over-the-air communications system service provider which the service boundary matching has indicated is the provider for the call [authorized to handle communication processes in the particular geographic location of the mobile unit]; and

G) continuously updating the geographic location of the mobile unit during the communication process whereby each of the wireless over-the-air communications systems service providers will bill for any portion of the communication process carried out within its [territory] service boundaries regardless of where the communication process originated.

21, 29 (Amended). A method of making communication process management decisions in two wireless over-the-air communications systems service providers each having a plurality of cell sites each of which has service boundary information associated therewith comprising:

A) establishing at least one shared cell site;

B) sharing the cell site by both of the wireless over-the-air communications systems service providers;

C) establishing an exact geographic location for a mobile unit;

D) matching the geographic location of the mobile unit to service boundary information, and selecting a cell site based on such matching;

E) using the selected cell site to handle communication processes associated with the mobile unit regardless of which



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service provider owns the selected cell site;

F) using the geographic location of the mobile unit for billing regardless of which cell site was selected to handle the call;

G) directing the billing to the [appropriate] wireless over-the-air communications system authorized to handle communication processes in the particular geographic location of the mobile unit; and

H) continuously updating the geographic location of the mobile unit during the communication process whereby each of the wireless over-the-air communications systems service providers will bill for any portion of the communication process carried out in its territory regardless of where the communication process originated even if the shared cell site is used.

Claims 31, 42 and 62: line 1 of each, change "1" to --66--.

Claims 22, 40 and 54, line 1 of each, change "21" to --68--.

~~46~~ (Amended). The method defined in Claim [21] 68 further including a plurality of cell sites and wherein the cell sites include at least one wireless system communications satellite.

Claim 63: line 1, change "7" to --66--.

Please add new Claims 71 - 73 as follows.

~~70.~~ 71. The method defined in Claim ~~68~~ 30 wherein the billing rates include special rate plans specific to the mobile unit making the call.

~~71.~~ 72. The method defined in Claim ~~68~~ 30 further including a step of recording post communication information.